

Title (en)

PRECISION POSITIONING SYSTEM USING A WAVELENGTH TUNABLE LASER

Title (de)

PRÄZISIONSPOSITIONIERUNGSSYSTEM MIT VERWENDUNG EINES LASERS MIT ABSTIMMBARER WELLENLÄNGE

Title (fr)

SYSTÈME DE POSITIONNEMENT DE PRÉCISION UTILISANT UN LASER ACCORDABLE EN LONGUEUR D'ONDE

Publication

**EP 3469301 B1 20211222 (EN)**

Application

**EP 17810934 A 20170607**

Priority

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- US 2017036343 W 20170607

Abstract (en)

[origin: US2017356739A1] A method for determining characteristics of a test cavity, the method includes for each of a plurality of optical frequencies within a bandwidth of a tunable laser, measuring interference signals from the test cavity and a reference cavity having a known characteristic. The method includes determining values for the plurality of optical frequencies from the measured interference signals from the reference cavity and the known characteristic of the reference cavity, and determining the characteristic of the test cavity using the determined values of the plurality of optical frequencies.

IPC 8 full level

**G01B 9/02** (2006.01); **A61B 5/00** (2006.01); **G01H 9/00** (2006.01); **G01J 9/02** (2006.01); **G01N 21/17** (2006.01); **G01P 3/36** (2006.01)

CPC (source: EP KR US)

**A61B 5/0066** (2013.01 - KR); **G01B 9/02** (2013.01 - US); **G01B 9/02004** (2013.01 - EP KR US); **G01B 9/02021** (2013.01 - EP US); **G01B 9/02057** (2013.01 - EP US); **G01B 9/02069** (2013.01 - EP US); **G01B 9/0207** (2013.01 - EP US); **G01B 9/02083** (2013.01 - EP US); **G01B 9/02091** (2013.01 - EP KR US); **G01B 11/14** (2013.01 - US); **G01H 9/006** (2013.01 - EP US); **G01N 21/17** (2013.01 - KR); **H01S 5/06** (2013.01 - US); **G01B 2290/60** (2013.01 - EP US)

Designated contracting state (EPC)

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DOCDB simple family (publication)

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**US 201715616075 A 20170607**; CN 201780028848 A 20170607; EP 17810934 A 20170607; JP 2018562250 A 20170607; KR 20197000519 A 20170607; TW 106118824 A 20170607; US 2017036343 W 20170607